

**TABLE 1**  
**Summary of Groundwater Data - Per- and Polyfluoroalkyl Substances (PFAS)**  
**Lebanon Regional Solid Waste Facility**  
**Lebanon, New Hampshire**  
**NHDES Site No. 198710039**

| Analyte                      |   | Concentrations in ng/L        |                                 |                                     |                                |                                 |                                      |                               |                                     |                               |                   |
|------------------------------|---|-------------------------------|---------------------------------|-------------------------------------|--------------------------------|---------------------------------|--------------------------------------|-------------------------------|-------------------------------------|-------------------------------|-------------------|
|                              |   | Perfluorobutanoic acid (PFBA) | Perfluoropentanoic acid (PFPeA) | Perfluorobutanesulfonic acid (PFBS) | Perfluorohexanoic acid (PFHxA) | Perfluoroheptanoic acid (PFHpA) | Perfluorohexanesulfonic acid (PFHxS) | Perfluorooctanoic acid (PFOA) | Perfluorooctanesulfonic acid (PFOS) | Perfluorononanoic acid (PFNA) | Total PFOA & PFOS |
| GW-1 (AGQS)                  |   | NS                            | NS                              | NS                                  | NS                             | NS                              | NS                                   | 70                            | 70                                  | NS                            | 70                |
| GW-2                         |   | NS                            | NS                              | NS                                  | NS                             | NS                              | NS                                   | NS                            | NS                                  | NS                            | NS                |
| <b>Proposed MCL and AQGS</b> |   |                               |                                 |                                     |                                |                                 | 85                                   | 38                            | 70                                  | 23                            | 70                |
| B-106D                       | 07/12/17  | 7.25                          | <4.21                           | <4.21                               | <4.21                          | <4.21                           | <4.21                                | <4.21                         | <4.21                               | <4.21                         | ND                |
| B-106S                       | 07/12/17  | 166                           | 235                             | 58.6                                | 255                            | 72.1                            | 9.00                                 | 33.0                          | <4.22                               | <4.22                         | 33.0              |
|                              | 11/15/17  | 178                           | 269                             | 85.9                                | 306                            | 61.2                            | 12.4                                 | 40.9                          | <3.94                               | <3.94                         | 40.9              |
|                              | 07/24/18  | 192                           | 328                             | 114                                 | 408                            | 66.4                            | 12.5                                 | 56.7                          | <4.30                               | <4.30                         | 56.7              |
| B-204                        | 07/12/17  | 93.2                          | 91.8                            | 31.0                                | 90.9                           | 47.2                            | <4.33                                | 4.35                          | <4.33                               | <4.33                         | 4.35              |
| B-205A                       | 11/15/17  | 51.5                          | 74.3                            | 24.4                                | 73.6                           | 16.3                            | <4.15                                | 7.97                          | <4.15                               | <4.15                         | 7.97              |
|                              | 07/26/18  | 47.5                          | 56.9                            | 19.0                                | 62.8                           | 18.3                            | <4.29                                | 9.73                          | <4.29                               | <4.29                         | 9.73              |
| B-205B                       | 11/15/17  | 10.2                          | <4.13                           | <4.13                               | 6.28                           | <4.13                           | <4.13                                | <4.13                         | <4.13                               | <4.13                         | ND                |
| B-207A                       | 11/15/17  | 49.9                          | 44.1                            | 26.6                                | 62.7                           | 13.9                            | 5.55                                 | 6.08                          | <4.04                               | <4.04                         | 6.08              |
| B-207B                       | 11/15/17  | 16.1                          | 13.2                            | <4.07                               | 15.4                           | <4.07                           | <4.07                                | <4.07                         | <4.07                               | <4.07                         | ND                |
| MW-3A                        | 11/15/17  | 25.2                          | 12.5                            | <4.31                               | 27.8                           | 5.21                            | <4.31                                | <4.31                         | <4.31                               | <4.31                         | ND                |
| MW-4                         | <i>NOT SAMPLED FOR PFAS YET, recently added to GMP and will be sampled for the first time in 2019</i> |                               |                                 |                                     |                                |                                 |                                      |                               |                                     |                               |                   |
| MW-402                       | 07/12/17  | <4.18                         | <4.18                           | <4.18                               | <4.18                          | <4.18                           | <4.18                                | <4.18                         | <4.18                               | <4.18                         | ND                |
|                              | 07/24/18  | 4.33                          | <4.24                           | <4.24                               | <4.24                          | <4.24                           | <4.24                                | <4.24                         | <4.24                               | <4.24                         | ND                |
| MW-501                       | 07/12/17  | 19.1                          | 14.0                            | <4.24                               | 16.3                           | <4.24                           | <4.24                                | <4.24                         | <4.24                               | <4.24                         | ND                |
|                              | 07/24/18  | 64.6                          | 87.7                            | 25.0                                | 70.5                           | <4.49                           | <4.49                                | <4.49                         | <4.49                               | <4.49                         | ND                |
| MW-504                       | 07/12/17  | 8.40                          | <4.32                           | <4.32                               | <4.32                          | <4.32                           | <4.32                                | <4.32                         | <4.32                               | <4.32                         | ND                |
|                              | 07/24/18  | 7.68                          | 6.09                            | <4.39                               | 5.22                           | <4.39                           | <4.39                                | <4.39                         | <4.39                               | <4.39                         | ND                |
| MW-507                       | 07/24/18  | 24.9                          | 26.4                            | 6.38                                | 15.3                           | <4.22                           | <4.22                                | <4.22                         | 7.07                                | <4.22                         | 7.07              |
| MW-601                       | 07/12/17  | 13.3                          | 14.5                            | <4.33                               | 16.6                           | 6.03                            | <4.33                                | <4.33                         | <4.33                               | <4.33                         | ND                |
| Field Blank                  | 07/12/17  | <4.18                         | <4.18                           | <4.18                               | <4.18                          | <4.18                           | <4.18                                | <4.18                         | <4.18                               | <4.18                         | ND                |
|                              | 11/15/17  | <3.83                         | <3.83                           | <3.83                               | <3.83                          | <3.83                           | <3.83                                | <3.83                         | <3.83                               | <3.83                         | ND                |
|                              | 07/24/18  | <4.26                         | <4.26                           | <4.26                               | <4.26                          | <4.26                           | <4.26                                | <4.26                         | <4.26                               | <4.26                         | ND                |

**TABLE 1**  
**Summary of Groundwater Data - Per- and Polyfluoroalkyl Substances (PFAS)**  
**Lebanon Regional Solid Waste Facility**  
**Lebanon, New Hampshire**  
**NHDES Site No. 198710039**

Notes:

1. Samples were collected by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire on the dates indicated and were analyzed by Vista Analytical Laboratory (Vista) of El Dorado Hills, California by USEPA Method 537 (modified) with isotope dilution. Vista was subcontracted through Eastern Analytical Inc. (EAI), of Concord, NH.
2. Concentrations are presented in nanograms per liter (ng/L) which are equivalent to parts per trillion (ppt).
3. "<" indicates the analyte was not detected above the indicated laboratory reporting limit (RL).
4. "GW-1" and "GW-2" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2013 revisions/addenda). GW-1 Groundwater Standards are equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016 amendment). The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water. The GW-2 Groundwater Standards apply to groundwater as a potential source of indoor air contamination.
5. Total (e.g., Total PFOA & PFOS) indicates the sum of the detected concentrations of the PFOA and PFOS. NHDES has established an AGQS/GW-1 Groundwater Standard of 70 ng/l for PFOA, PFOS, and for both PFOA and PFOS combined.
6. "NS" indicates the analyte is not listed in the RCMP.
7. Yellow shading indicates PFAS Maximum Contaminate Levels (MCLs) and AGQSs proposed by NHDES on January 2, 2019. Orange shading indicates exceedances of the Proposed MCLs and AGQSs.

**TABLE 2**  
**Summary of Leachate Data - Per- and Polyfluoroalkyl Substances (PFAS)**  
**Lebanon Regional Solid Waste Facility**  
**Lebanon, New Hampshire**  
**NHDES Site No. 198710039**

| Analyte                      | Concentrations in ng/L.             |                               |                                     |                               |  |                                  |  |                                  |                                     |                                      |                                |                                     |                               |                                    |                                     |                               |                                       |                                 |                                    |                                   |                                  |   |   |   |   |  |   |                   |     |              |    |            |
|------------------------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|--|----------------------------------|--|----------------------------------|-------------------------------------|--------------------------------------|--------------------------------|-------------------------------------|-------------------------------|------------------------------------|-------------------------------------|-------------------------------|---------------------------------------|---------------------------------|------------------------------------|-----------------------------------|----------------------------------|---|---|---|---|--|---|-------------------|-----|--------------|----|------------|
|                              | Perfluorobutanesulfonic Acid (PFBS) | Perfluorobutanoic Acid (PFBA) | Perfluorodecanesulfonic Acid (PFDS) | Perfluorodecanoic Acid (PFDA) | Perfluorododecanesulfonic Acid (PFDoS) | Perfluorododecanoic Acid (PFDoA) | Perfluorooheptanesulfonic Acid (PFHpS) | Perfluorooheptanoic Acid (PFHpA) | Perfluorohexadecanoic Acid (PFHxDA) | Perfluorohexanesulfonic Acid (PFHxS) | Perfluorohexanoic Acid (PFHxA) | Perfluorononanesulfonic Acid (PFNS) | Perfluorononanoic Acid (PFNA) | Perfluorooctadecanoic Acid (PFODA) | Perfluorooctanesulfonic Acid (PFOS) | Perfluorooctanoic Acid (PFOA) | Perfluoropentanesulfonic Acid (PFPeS) | Perfluoropentanoic Acid (PFPeA) | Perfluorotetradecanoic Acid (PFTA) | Perfluorotridecanoic Acid (PFTDA) | Perfluoroundecanoic Acid (PFUnA) | 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | H,1H,2H,2H-Perfluorododecanesulphonic Acid (10:2 FTS) | N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | Total PFOA & PFOS |     |              |    |            |
| GW-1 (AGQS)                  | NS                                  | NS                            | NS                                  | NS                            | NS                                     | NS                               | NS                                     | NS                               | NS                                  | NS                                   | NS                             | NS                                  | NS                            | NS                                 | 70                                  | 70                            | NS                                    | NS                              | NS                                 | NS                                | NS                               | NS  | NS  | NS  | NS  | NS   | NS  | NS                | 70  |              |    |            |
| GW-2                         | NS                                  | NS                            | NS                                  | NS                            | NS                                     | NS                               | NS                                     | NS                               | NS                                  | NS                                   | NS                             | NS                                  | NS                            | NS                                 | NS                                  | NS                            | NS                                    | NS                              | NS                                 | NS                                | NS                               | NS  | NS  | NS  | NS  | NS   | NS  | NS                | NS  |              |    |            |
| <b>Proposed MCL and AQGS</b> |                                     |                               |                                     |                               |  |                                  |  |                                  |                                     | 85                                   |                                |                                     | 23                            |                                    | 70                                  | 38                            |                                       |                                 |                                    |                                   |                                  |   |   |   |   |  |   |                   | 70  |              |    |            |
| Combined Leachate            | 09/10/18                            | 350                           | 1,900                               | <2.9                          | 18                                     | <1.5                             | <2.5                                   | <2.0                             | 520                                 | <1.5                                 | 440                            | 2,000                               | <2.9                          | 46                                 | <2.5                                | <b>140</b>                    | <b>1,200</b>                          | <2.0                            | 810                                | <1.5                              | <2.0                             | <2.0  | 37  | 9.4   | J   | 310  | <4.9  | 26                | 44  | <b>1,340</b> |    |            |
| Phase II Cell                | 10/11/18                            | 370                           | <9.8                                | <2.9                          | 9.2                                    | J                                | <1.5                                   | <2.4                             | <2.0                                | 230                                  | <1.5                           | 180                                 | 1,900                         | <2.9                               | 27                                  | <2.4                          | <b>87</b>                             | <b>790</b>                      | <2.0                               | 820                               | <1.5                             | <2.0  | <2.0  | <9.8  | 9.1   | J  | 260   | <4.9              | 6.5 | J            | 25 | <b>877</b> |

Notes:

1. Samples were collected Sanborn Head personnel on the dates indicated and were analyzed by Eurofins Lancaster Laboratories Environmental (Lancaster) of Lancaster, Pennsylvania by USEPA Method 537 (modified) with isotope dilution. Lancaster was subcontracted through Eastern Analytical Inc. (EAI), of Concord, New Hampshire.
2. Concentrations are presented in nanograms per liter (ng/L) which are equivalent to parts per trillion (ppt).
3. "<" indicates the analyte was not detected above the indicated laboratory method detection limit (MDL).  
"J" indicates estimated concentrations detected above the MDL and below the laboratory reporting limit (RL).
4. "GW-1" and "GW-2" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2013 revisions/addenda). GW-1 Groundwater Standards are equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016 amendment). The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water. The GW-2 Groundwater Standards apply to groundwater as a potential source of indoor air contamination.
5. Total (e.g., Total PFOA & PFOS) indicates the sum of the detected concentrations of the PFOA and PFOS. NHDES has established an AGQS/GW-1 Groundwater Standard of 70 ng/l for PFOA, PFOS, and for both PFOA and PFOS combined.
6. "NS" indicates the analyte is not listed in the RCMP.
7. **Bold** formatting indicates an exceedance of the GW-1/AGQS standards.  
Yellow shading indicates PFAS Maximum Contaminate Levels (MCLs) and AGQSs proposed by NHDES on January 2, 2019.  
Orange shading indicates exceedances of the Proposed MCLs and AGQSs.